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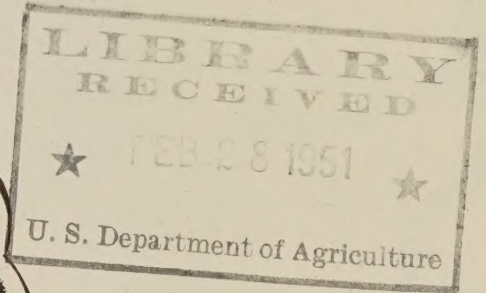
1951

130

# Floral Treasures For Summer

*Choice, Rare and Unusual Bulbs*

PRICE 15c



*The Barnes*  
**IMPORTERS**


Exclusive Representatives For . . . C. G. VAN TUBERGEN, Ltd.

1951 SPRING CATALOG

# Beauty

## UNSURPASSED

*For those who find fascination  
in growing things.*



*You cannot find more complete protection  
than we give you.*

Naturally we guarantee all bulbs to be exactly true to name, color, description, and quality; and to reach you in absolutely perfect condition. But in addition . . . they are guaranteed through the entire blooming season next year.

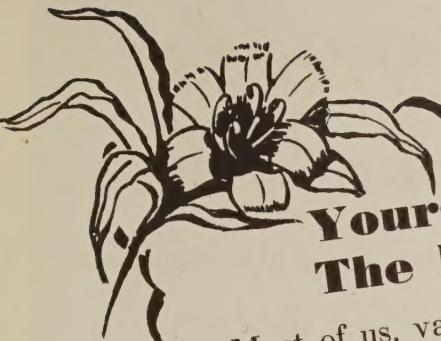
If any bulbs fail to grow or bloom; if the colors or combinations of colors are not appealing to you; or if you are dissatisfied in any other way . . . the entire purchase price will immediately be refunded, or the bulbs replaced at no charge the following season. There is not even any need to return the bulbs in question, as we have a great deal of faith in our fellow gardeners.

Doesn't it go without saying that our bulbs, plants, and packing methods must be the very finest? Otherwise we would not be able to offer you such complete protection.

Your numbered Certificate of Protection will accompany your order.

*Julian W. Moody*

**The Barnes**  
**IMPORTERS**  
EAST AURORA, N. Y.



## **Yours - To Cherish and Enjoy - - - The Floral Wealth of the World**

Most of us, vagabonds at heart, often dream of wandering to far-away places where beauty lies unspoiled, and to famous gardens where fine plant varieties are originated, in quest of floral gems for our gardens.

Because dreams sometimes do not materialize, we have undertaken the task of bringing to you the world's treasure of horticultural gems.

With justifiable pride we present a rich and varied collection of bulbous plants that is the most unusual and extensive in the country. Many are rare little jewels discovered in some remote wilderness by plant collectors exploring the unknown. Others are exquisite creations developed in the leading bulb gardens in the world, and include the finest of ever-popular varieties. All are exceptionally choice, and merit your consideration.

Accept them, fellow gardeners, as your key to greater happiness through floral beauty.

*Julian H. Moody*

### **SHIPPING SCHEDULE**

All Bulbs in this Catalog are available for shipment anytime during the months of March, April, and May, except for items which happen to sell out ahead of schedule because of an unexpected increase in demand.

### **PACKING METHODS**

Bulbs for each order, regardless of size, are individually selected by well-trained, careful packers. Every variety is neatly and accurately labeled, and all items are packed with painstaking care to assure their arrival in perfect condition.

### **FOR MORE INFORMATION**

If further, more detailed, information is desired regarding any of the bulbs listed, do not hesitate writing our **CUSTOMER SERVICE** Department which is in constant touch with horticultural developments all over the world. We always welcome the opportunity of helping our friends in any way possible.

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*Acidanthera, Murielae*

## Acidanthera

**MURIELAE.** One of the most delightful of summer-flowering bulbs for outdoor gardens. The large blossoms are three to four inches across, sweetly scented, pure white with starry throat blotches of crimson maroon. A mass of six or more of these showy flowers suspended on strong graceful stems is most distinctive. They are excellent for cutting, blossom through most of August and September, and are rarely damaged by wind or rain. Height —  $2\frac{1}{2}$  to 3 feet. A recent introduction from western Abyssinia. Handle much the same as *Gladiolus*, but should not be planted in spring until ground warms up. Extra choice.

### Largest Selected Corms

25c each      3 for 50c      6 for 90c      12 for \$1.80  
25 for \$3.35      100 for \$12.40

### Good-Flowering Size Corms

3 for 35c      6 for 60c      12 for \$1.20  
25 for \$2.25      100 for \$8.25

## Agapanthus

The popular "*Blue Lily of the Nile*" Native of Africa and cousin of the true *Lilies*. Spectacularly beautiful and easily grown. Ideal for the conservatory, window garden, living room, terrace, or set in protected places in the open. Will continue to bloom freely every summer, year after year, if given large enough pot, plenty of food and water. Usually grown in large pots or tubs, but may be bedded outdoors in southern regions. Full Cultural Instructions included with each shipment.

**UMBELLATUS. (Orientalis)** The original "*Blue African Lily*" or "*Lily of the Nile*", favorite of our parents and grandparents for more than a generation. Decorative, dark green strap-like leaves. Floral scape rising 2 to 3 feet above rosettes of foliage, bearing handsome umbels of 10 to 30 light blue flowers. Vigorous growing, and a rapid propagator, fine for cutting.

*Strong Single Divisions — Flowering Size.*

40c each      3 for 95c      6 for \$1.75

*Heavy Multiple Field Divisions.*

75c each      3 for \$1.95      6 for \$3.95

**UMBELLATUS ALBUS.** The true stock with pure white flowers. General description same as above.

55c each      3 for \$1.45      6 for \$2.65

**GLOBOSUS.** An extra fine improved variety, moderately tall. Very large umbels of bright blue flowers. Exceptionally free flowering.

\$1.10 each      3 for \$2.95      6 for \$5.65

(Orders taken now for delivery Dec. 1951 thru April 1952.)

**INTERMEDIUS.** Unusual rich shade of deep blackish blue. Short stems.—Fine for pot culture.

\$1.10 each      3 for \$2.95      6 for \$5.65

(Orders taken now for delivery Dec. 1951 thru April 1952.)



*Agapanthus*





*Milla biflora*

## Milla

**BIFLORA.** Gay personalities of dainty habit recently introduced from Mexico where they are known as "Estrellitas" or "Little Stars," "Floating Star" and "Frost Flower". The 2" flowers are a refreshing waxy white with a soft green stripe on the outside of each petal; pleasantly fragrant and borne on wiry stems 12-18" tall. Very free blooming from July through September. Excellent for cutting. Lifted in fall after foliage matures and stored like Glads.

25c each    3 for 50c    6 for 90c    12 for \$1.75  
25 for \$3.05    100 for \$12.10

## Montbretias

A gay striking colorful race of plants from South Africa that are much like graceful miniature *Gladiolus*. Each bulb produces several wiry spikes with individual blooms measuring 2½ to 3 inches across. One of the finest of cut flowers blooming throughout late summer and autumn. Hardy in the north under a good straw mulch. Prefers a rich soil with liberal amounts of water.

If you revel in sunset colors and autumn foliage you will like *Montbretias*. In August, September and October they splash the garden with bright apricot, fiery red, tawny crimson and gold.

**FRANS HALS.** Vigorous free-flowering variety of bright yellow shaded with burnished bronze.

3 for 35c    6 for 55c    12 for \$1.05    25 for \$1.90

**HIS MAJESTY.** Tawny orange with tips of crimson scarlet. Awarded F. C. C. Haarlem.

3 for 35c    6 for 55c    12 for \$1.05    25 for \$1.90

**JAMES COEY.** A very vigorous grower of brilliant red with a delicate soft orange center. Given the Award of Merit at London.

3 for 35c    6 for 55c    12 for \$1.05    25 for \$1.90

**LADY OXFORD.** A most distinct and unusual shade. Pale yellow, shaded with soft peach. A very free flowering and worthwhile variety.

3 for 35c    6 for 60c    12 for \$1.30    25 for \$2.25

**EXTRA SELECTED MIXTURE.** A carefully selected mixture of choice colors that blend in very pleasing harmony. (Including many more varieties than listed above.) A row or two in the cutting garden will yield beautiful bouquets in endless quantity for many weeks.

6 for 40c    12 for 65c    25 for \$1.05    100 for \$3.20

# Ranunculus

(CROWFOOT OR BUTTERCUP)

Showy, colorful plants for the spring garden, or for greenhouse forcing. Planted outdoors in very early spring while weather is cool and moist, they will blossom about the last week of May or first week of June. A well grown mass of these charming flowers in full bloom is a sight not soon forgotten. Although not winter-hardy in Northern states, they can be grown and handled like *Gladiolus*. Plant as soon as the frost is out of the ground in spring, about 2" deep and about 6" apart; making the soil very sandy on top so the leaves will push through readily without heaving the soil. They prefer a damp location, where they will receive some shade during warmer part of the day, and plenty of moisture at the roots during the growing season. When foliage ripens off in late August, dig and store in a cool room.

A successful indoor pot plant where conditions are cool and moist.

An excellent cut flower.

## Double Peony-Flowered

An excellent new strain with highly colored flowers like small double peonies, about 2" across. Lovely for cutting.

**BRILLIANT STAR.** A brilliant shade of rich scarlet. Well formed semi-double flowers.

3 for 45c    6 for 80c    12 for \$1.60  
25 for \$2.95    100 for \$12.95

**EDELWEISS.** Beautiful full double blooms of pure white with creamy centers.

3 for 45c    6 for 80c    12 for \$1.60  
25 for \$2.95    100 for \$12.95

**GOLDEN BALL.** Clear Indian yellow suffused with orange. A very robust grower with many flowers in quick succession on tall stems.

3 for 45c    6 for 80c    12 for \$1.60  
25 for \$2.95    100 for \$12.95

**TRIUMPHATOR.** Exquisite deep pink. Fine, fully double flowers on good strong stems.

3 for 45c    6 for 80c    12 for \$1.60  
25 for \$2.95    100 for \$12.95

**SPLENDID MIXTURE.** A carefully blended mixture of shades of primrose golden yellow, white, pink, salmon, and many other highly desirable colors.

3 for 35c    6 for 55c    12 for \$1.05  
25 for \$1.90    100 for \$6.75

## Turban Ranunculus

The well-known and popular "Double Buttercup" of English gardens. Flowers are very double, almost globular in outline, and often exceed 2" in diameter. Stronger growing and more profuse than the Persian type. Far more attractive than the old European type.

**SELECTED MIXTURE** of named varieties. Brilliant shades of pure scarlet, golden yellow, orange scarlet, pure white, pink, yellow shaded orange, and blended suffusions.

3 for 35c    6 for 55c    12 for \$1.05  
25 for \$1.90    100 for \$6.75





Ranunculus

## Tigridia Pavonia

Few more brilliantly colored flowers are to be found in the *Iris* family than these "Shell Flowers," undoubtedly named for the iridescent beauty of the large, bizarrely formed blossoms.

The foliage is short and sabre-like, with stems rising to 2½ feet bearing unique triangular flowers of three outer long petals and three inner short. Center petals are gayly spotted and banded thus giving the plant one of its common names "*Tiger Flower*". When this plant is set to a depth of 4 inches in rich moist soil in a sunny location it is very free flowering, filling the dull summer period with many weeks of gay, cooling colors. It is most effective when clumped, preferably with a low foreground planting. Culture is the same as for *Gladiolus*.

Of these charming and uncommon tuberous-rooted plants we grow a large stock, and can supply strong, healthy corms.

**ALBA.** Pure white with a carmine spotted center.  
 3 for 35c    6 for 65c    12 for \$1.30    25 for \$2.45

**ALBA IMMACULATA.** Pure white with yellow tinged center.

3 for 35c    6 for 65c    12 for \$1.30    25 for \$2.45

**CANARIENSIS.** Clear yellow with a red spotted center.  
 3 for 35c    6 for 65c    12 for \$1.30    25 for \$2.45

**CARMINEA.** Soft orange suffused with gold.  
 3 for 35c    6 for 65c    12 for \$1.30    25 for \$2.45

**LILACEA IMMACULATA.** Crimson-carmine. Clear white ring in the center, and each petal marked by a white band. A very striking variety.

3 for 35c    6 for 65c    12 for \$1.30    25 for \$2.45

**LUTEA IMMACULATA.** A pure rich yellow, unspotted.  
 3 for 35c    6 for 65c    12 for \$1.30    25 for \$2.45

**RED GIANT.** (*Le Geant Rouge*). Large scarlet-red flowers. Center yellow, flushed red.

3 for 35c    6 for 65c    12 for \$1.30    25 for \$2.45

**ROSE GIANT.** (*Le Geant Rose*). Large, brilliant pink.  
 3 for 35c    6 for 65c    12 for \$1.30    25 for \$2.45

**SPECIOSA.** Deep scarlet, with a golden yellow center that is boldly scarlet spotted.

3 for 35c    6 for 65c    12 for \$1.30    25 for \$2.45

**SPECIAL SELECTED MIXTURE.** A well balanced blend of all gay and brilliant colors.

3 for 30c    6 for 55c    12 for 95c  
 25 for \$1.70    100 for \$5.95



Tigridia

# Vallota

Named after Pierre Vallot, the famous French botanist.

Popularly called the "Scarborough Lily" it has been cultivated by rich and poor for over a century. Its popular name is supposed to have been derived in the same way as the *Guernsey Lily* . . . a Dutch bark was wrecked off the coast of England, some bulbs washed ashore and became established as garden plants.

A South African amaryllid of exquisite beauty. The leaves are long, ever-green, and dark green stained purple at the base. A well-grown plant will produce from 30 to 40 spikes of from 3 to 8 flowers each.

They are usually grown in the open in California and the South. Excellent for the window garden in the north.

**PURPUREA MAJOR.** Rich scarlet flowers to 3 inches across of lily-like appearance borne on stems up to 3 feet in rounded clusters.

Largest Selected Bulbs . . . . . \$2.25 each  
Strong Bulbs . . . . . \$1.75 each

**NOTE:** *Vallota* bulbs are imported from South Africa and are very difficult to obtain. We are never certain of our stock until it actually arrives . . . so delivery cannot be promised on any given date. This year's stock probably will not arrive until late 1951, but we would advise that you order immediately as the supply is always limited.

# Zephyranthes

The dainty little "Zephyr Lily" or more poetically, "Flower of the West Wind". A beautiful and interesting plant that should become very popular with every gardener who appreciates flowers of gay and subtle beauty. Flowers are borne in great profusion throughout the summer on slender graceful stems 6 to 12" high. It is most effective for massing, or in little clusters sprinkled throughout the perennial border and shrub border and rock garden. Lift bulbs like *Gladiolus* and store in fall.

They are equally at home indoors, and pots of them may be brought into bloom several times each year by alternately drying them off and then forcing into growth.

**ROBUSTA.** (*Habranthus Robusta*). White, tinged with delicate pink, and green throated. A large and beautiful variety from South America. Flowers are 2 to 3" across, borne on tall 10" stems. Usually have one blooming period each month from June to September, and often more frequently when there is ample moisture.

55c each    3 for \$1.55    6 for \$2.95    12 for \$5.90  
25 for \$10.55    \$100 for \$41.25

**CANDIDA.** The beautiful fall-flowering white species. A very prolific grower. It is very easily flowered in the house or garden.

3 for 30c    6 for 50c    12 for 95c    25 for \$1.75  
100 for \$6.20

**CANDIDA MAJOR.** A rather rare and improved form of the above. Of extremely robust habit with longer stems.

25c each    3 for 60c    6 for \$1.10    12 for \$2.15  
25 for \$3.95    100 for \$14.95

**CARINTA** (*Grandiflora*). A glorious rosy-pink starting to flower in early summer. The most popular of all species. Flowers measure 2 to 3" in diameter.

35c each    3 for 90c    6 for \$1.70    12 for \$3.35  
25 for \$5.95    100 for \$23.20

**AJAX.** Clear pale yellow flowers on 6 to 8" stems. Dainty and gay. Very popular.

20c each    3 for 45c    6 for 80c    12 for \$1.60  
25 for \$2.95    100 for \$10.95

**CITRINA.** Rich, golden yellow flowers blooming all summer. Attractive grayish-green foliage. A rare species, but one of the best. A prolific grower.

40c each    3 for \$1.00    6 for \$1.90    12 for \$3.80  
25 for \$6.80

**ROSEA.** Clear rose-pink and white, about 6 to 8" high. Leaves are glossy and practically prostrate. Flowers about 1" in diameter. Delights in hot summer weather.

30c each    3 for 70c    6 for \$1.30    12 for \$2.60  
25 for \$4.70    100 for \$17.95

**SELECTED MIXTURE** of pure whites, pinks, and yellows. An excellent blend.

3 for 50c    6 for 90c    12 for \$1.85    25 for \$2.95  
100 for \$11.95



## Special Soil Conditioner and Organic Plant Food

For Caladiums and  
Tuberous Begonias

Especially important for the development of strong vigorous plants, healthy foliage, and large clear-colored exhibition blooms. Also ideal for potting soil mixtures, and general garden use.

Farmanure is a special blend of rich pulverized manure, granulated peat moss, and other organic ingredients for the building of rich humusy soil abounding in teeming bacterial activity.

100% organic — May be used generously with no danger of plant injury.

Mix thoroughly with soil during regular spring preparation of beds for planting. Full instructions included with each bag.

(7½ lb. bag is ample for average Begonia or Caladium bed.)

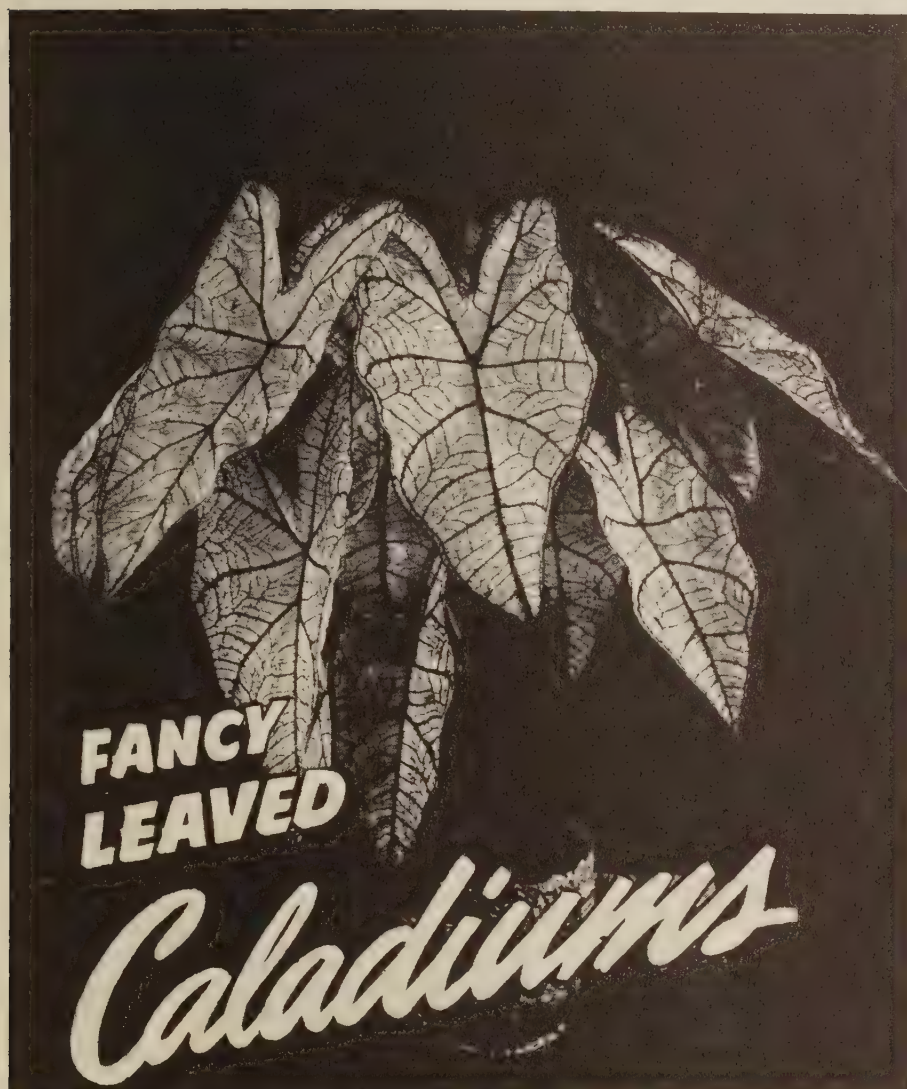
7½ lb. bag . . . . . \$ .65

25 lb. bag . . . . . \$1.55

50 lb. bag . . . . . \$2.65

Be sure to include a bag of Farmanure with your order for Begonias or Caladiums.

# The World's Finest Caladiums



**IMPORTED DIRECT FROM GUATEMALA,  
CENTRAL AMERICA**

**The land of tropical rain-forests and  
eternal spring.**

*Gorgeously colored foliage plants . . . with magni-  
ficent leaves of delicate texture borne on airy  
graceful stems.*

For splashes of artistic color and beautiful displays of attractive foliage, there are few, if any, garden plants that can equal the Fancy-Leaved Caladium. The ornamental veined and marbled foliage is produced in almost limitless variations of pattern, leaf shape, leaf size, and leaf texture. In many varieties the leaves are almost transparent, lending an ethereal quality unique among foliage plants.

**A continuous display of color throughout  
the summer and fall**

*Exceedingly easy to grow*

**Delight in hot, humid weather**

*Thrive in full sun or light shade*

## **EXCELLENT IN POTS**

To decorate the terrace . . . the garden pool . . . outdoor living rooms . . . conservatory . . . window gardens . . . window boxes.

## **EXCELLENT FOR GARDEN BEDDING**

For delicate masses of color and interesting foliage effects in dappled shade or full sun . . . bordering beds of annual flowers . . . nodding over garden pools . . . touches of glamour and color in the perennial border during dull summer months.

## **UNSURPASSED FOR CUTTING AND FLORAL ARRANGEMENT**

Beautiful and artistic effects in vase or decorative bowl that cannot be matched by any other plant.

Perfectly adaptable to any type of arrangement. You will delight in working with their natural gracefulness, pliable stems, delicate texture, decorative shapes and colorings. Fancy-Leaved Caladiums combine very well with all other types of flowers and plants, and last remarkably long after cutting.

## THEIR RANGE OF USEFULNESS IS LIMITED ONLY BY YOUR IMAGINATION

The culture of our Fancy-Leaved Caladiums is exceptionally easy, and we sincerely feel everyone should grow at least a few every year because of their unusual charm and coloring. Unlike plants that have to depend on blooms for display value, Caladiums always create a beautiful effect, even if growing conditions are not perfect, or you cannot give them proper care. What is most important, they provide color during the hottest part of summer when other plants are languishing.

To develop beautiful pot plants, for either indoor or outdoor display we suggest starting the tubers indoors in

April or May . . . or even as late as the end of June.

For garden planting we prefer to set the dormant tubers directly outdoors in their permanent location . . . after the ground has thoroughly warmed up. This will be April and May in warmer parts of the United States . . . May and June in northern sections. Of tropical origin they thrive on warmth and too early planting will cause them to decay in the cold ground. As they progress most rapidly the first few weeks of hot weather after planting, too early planting is of no value.

Full cultural instructions . . . very carefully written in easy to follow steps . . . are included with every shipment of bulbs.

### ***Magnificent NEW Varieties Introduced During The Past Few Years Which Are Rapidly Becoming Exceptionally Popular.***

**CRIMSON WAVE.** Large green leaf with crinkled, transparent crimson or scarlet center and many crimson spots towards edge. A strong vigorous grower.

**FIRE NYMPH.** Rich rose color mottled with shades of bright pink and delicate straw color. Large leaves and sturdy plant. One of the best.

**PINK CLOUD.** Large, crinkly well opened leaves of splashed pink with a cloud like effect in the coloring. One of the most spectacular and beautiful varieties.

**RED ENSIGN.** A rather dwarf growing type with many leaves of beautiful metallic red; narrow green border. A very bright and fine new variety.

**RED FLARE.** New. Similar to Scarlet Pimpernelle, but blotched with two shades of green. A fine pot-plant.

**RED POLKA.** New. Bushy, dwarf grower. Bright red leaves with many polka-dot spots of a slightly lighter shade of red.

**REDSKIN.** New. A dwarf variety with pointed leaves. The color is a dull, rich scarlet over the entire leaf.

**SEA GULL.** New. Dwarf, with a dark green leaf, heavy white midribs and white center. A very effective new white Caladium.

**TOM THUMB.** New. Very dwarf and compact. The color varies but is usually copper-red with a few white blotches in the center. Midrib is bright crimson.

### ***Leading Popular Varieties of Proven Merit***

**CANDIDUM.** Beautiful snowy leaves of transparent snow white, with narrow green border and veins. One of the most popular varieties. Ours is the true *Candidum*.

**EDITH MEAD.** Erect plant with medium-size pure white leaves and fine red veins. Narrow margin of rich dark green.

**ITACAPUS.** Dark rust red leaf of medium size. Narrow border of green spattered with dark red. A very popular variety. One of the most beautiful *Caladiums* in existence.

**JOHN PEED.** Bold plant with a shining bright metallic red center on moss green ground. Very fine. Excellent for pot culture. Compact grower.

**LORD DERBY.** Delicate transparent rose-colored leaf with dark green ribs and narrow green margin. Excellent garden variety; and very popular.

**MRS. F. SANDER.** Tall-growing plant with dark green roundish leaves, splashed with transparent spots of deep rose. Unusual.

**MRS. W. B. HALDEMAN.** Rich glowing bright pink leaf with narrow bright green margin. Upright grower producing numerous medium-sized leaves. Varies to a deep pink according to soil used. Very fine and popular.

**SCOTCH PLAID.** (*Mary Queen of Scots.*) Multicolored greyish green leaf with small splashes of red and green and maroon ribs. In strong sunlight the greyish green assumes a pink color. Odd foliage. Very interesting.

**SOROCABA.** Rich transparent leaf of silvery pink with green margin and veins. In time the leaves change to green with only patches of pink or white. Excellent for the garden.

**THOMAS TOMLINSON.** Medium-sized. Glossy leaves with bright crimson center and narrow dark green margin. Abundant foliage. Compact growth.

**TRIOMPHE DE L'EXPOSITION.** A very neat light green leaf with red center and veins. An old favorite.

***See Following Page For ALL Caladium Prices.***

# Caladium Prices For All Varieties On Preceding Pages.

Because of the ideal growing conditions in Guatemala we are able to offer unusually fine stock of choice selected tubers at very reasonable prices. Each tuber has been grown to perfection and properly cured under critical supervision, so that every one reaches you in just the right condition for healthy vigorous growth.

**Our vigorous, healthy Caladium Tubers are shipped to all parts of the United States in perfect condition.**

**AVAILABLE FROM MARCH THRU JUNE.**

**Selected LARGE Tubers.** Best and most popular size for general garden planting, and pot culture. Plump healthy tubers  $1\frac{1}{2}$  — 2 inches in diameter.

Any of the named varieties, listed on the preceding page. Separately packaged. Clearly and accurately labeled.

Each .....	\$ .45
3 of any one variety .....	1.20
6 of any one variety .....	2.30
12 of any one variety .....	4.55
25 of any one variety .....	8.15
50 of any one variety .....	15.80

**Selected JUMBO Tubers.** For exhibition plants of unusual vigor, size, and massive beauty. Plump healthy tubers,  $2\frac{1}{4}$  to 3 inches in diameter.

AVAILABLE IN THESE VARIETIES ONLY . . .

Candidum	Lord Derby	Red Polka
Crimson Wave	Mrs. F. Sander	Redskin
Fire Nymph	Mrs. W. B. Haldeman	Scotch Plaid
Itacapus	Red Ensign	Sea Gull
John Peed		Sorocaba
	Triomphe de L'Exposition	

Separately packaged, clearly and accurately labeled.

Each .....	\$ .55
3 of any one variety .....	1.55
6 of any one variety .....	2.85
12 of any one variety .....	5.70
25 of any one variety .....	10.40
50 of any one variety .....	19.95

## Special Caladium Mixtures

*Selected Medium Tubers*  
Carefully Blended Mixture of Named Varieties

Each \$ .35	3 for \$ 1.00
6 for \$1.85	12 for \$ 3.65
25 for \$6.55	50 for \$12.65

*Selected Large Tubers*  
Carefully Blended Mixture of Named Varieties

Each \$ .45	3 for \$ 1.20
6 for \$2.30	12 for \$ 4.55
25 for \$8.15	50 for \$15.80

### Famous Bear Hollow Special Mixture

This mixture is a specialty of the Bear Hollow Caladium Farms.

This Mixture cannot be equaled at any price, as it includes the finest of the named varieties in a well balanced range of colors, effects and types . . . along with a choice blend of new and rare hybrids not yet on the market, which have been selected from Bear Hollow's special breeding stock.

*Selected Large Tubers*

Each \$ .55	3 for \$ 1.50
6 for \$ 2.90	12 for \$ 5.80
25 for \$10.35	50 for \$20.25

*Selected Jumbo Tubers*

Each \$ .70	3 for \$ 1.90
6 for \$ 3.65	12 for \$ 7.25
25 for \$12.85	50 for \$25.30

Fancy Leaved Caladiums delight in a deeply prepared, mellow soil, abounding in rich humus. While they will thrive in full hot sun most gardeners prefer to plant in partial shade to prevent the full richness of colors from being bleached. We recommend light shade in the afternoon wherever possible.

At the end of the growing season bulbs are dried off and stored for the winter for use again the following year. It is also very easy to propagate by stem cuttings or division of tubers. A good stock of permanently useful tubers may be developed over a period of time. Caladiums are a valuable long term investment.

All of our stock is propagated and grown in Guatemala, Central America, favored with the finest climate in the world for the production of these beautiful plants. Tubers are imported direct from the famous tropical plantations of an exceptionally skilled grower and hybridizer of unusual and beautiful bulbous plants.



*Double Camellia Picotee*

*See Page 15*

## *Tuberous Begonias*

### **EXQUISITE BEAUTY FOR THE SHADED AREA**

**TUBEROUS BEGONIAS** are the most beautiful of all summer-flowering bulbs for garden display or exhibition, and a collection of the finer types will prove to be one of your most treasured garden possessions.

As their favorite haunt is a well-shaded spot where the soil is moist and cool, they fill a great void in garden planning bringing much charm and color to areas which ordinarily will support little bloom. Their value in this respect is unique. Culture is extremely easy when a few primary rules are followed, and the tubers last for many years. All orders include detailed carefully-written instructions for the proper growing and care of all types.

**WE OFFER THE VERY FINEST OF BOTH PACIFIC HYBRIDS, AND IMPORTED DUTCH HYBRIDS.** While it is well-known that Pacific Hybrids of several types of Tuberous Begonias are the most beautiful in the world, the Dutch Hybrids are beautiful in their own right, and to render the best service to our friends we feel it is necessary to offer the best varieties and types of imported and domestic strains. One very important factor is that imported Begonias are much less expensive due to lower labor costs and operational costs abroad. This enables many gardeners with limited incomes to enjoy the exquisite beauty of these plants.

**OUR DUTCH HYBRIDS** are a very select strain imported direct from C. G. Van Tubergen, Ltd. Every variety and type listed is of strong hybrid vigor, with attractive well-placed foliage, and strong stems. The flowers are well-formed, moderately large, and colors are very clear and beautiful.

**OUR PACIFIC HYBRIDS** are from selected strains grown in California at the world-famous Brown Bulb Ranch. W. A. Brown, co-owner of this firm, is one of the leading Begonia hybridists in the world and is author of the fast-selling new Begonia book listed on Page 13 of our catalog. When properly grown, these Pacific hybrids will produce huge exhibition blooms of faultless color and texture. Plants are vigorous, well-formed and have exceedingly strong stems. The latter are very necessary to support the extra large blooms.

# Double Camellia Flowered

Without a doubt the *Camellia-type Begonia* is one of the most beautiful flowers in the world, and the most gorgeous class of *Begonias*. It is no longer identical to a *Camellia*, but is ruffled and waved in forms which relieve austerity and add charm; so that the shape today is more nearly that of a beautiful fluted rose.

## IMPORTED DUTCH HYBRIDS

Copper	Dark Red	White	Pink
Salmon	Orange	Yellow	Scarlet

### Selected Large Tubers

Each 30c	3 of any one color 80c	6 of any one color \$1.45
	12 of any one color \$2.90	25 of any one color \$5.20

### All Color Mixture

#### Selected Large Tubers

3 for \$ .80	6 for \$1.45
12 for \$2.90	25 for \$5.20

### All Color Mixture

#### Selected Medium Tubers

20c Each	3 for 50c
6 for 90c	12 for \$1.80
25 for \$3.35	

## GIANT PACIFIC HYBRIDS

Pure Sparkling White	Pure Yellow	Vivid Scarlet
Soft Light Pink	Delicate Salmon	Rich Orange
Exquisite Deep Rose	Dark Apricot	Rich Dark Red

### Selected Large Tubers

Each 40c

3 of any one color \$1.05	6 of any one color \$1.95
12 of any one color \$3.95	25 of any one color \$7.30

### All Color Mixture

#### Selected Large Tubers

3 for \$1.05	6 for \$1.95
12 for \$3.95	25 for \$7.30

### All Color Mixture

#### Selected Medium Tubers

Each 30c	3 for 80c
6 for \$1.45	12 for \$2.85
25 for \$5.20	



## Quality in Begonias

**QUALITY OF THE TUBER.** Size of tuber does not affect the purity and quality of a strain, or the type of flower . . . but it does influence size of plant, and quantity and size of blossoms, providing the various sizes are of equal age. The best tubers are those produced in one year from seed, as older tubers lose a certain amount of vigor and vitality. For this reason a plump medium-size tuber about one year in age produces a better plant than an older flat tuber of large size. When you have the combination of a year old tuber which is both large and plump, the results are outstanding. For bedding purposes and general planting, we recommend the planting of one year old tubers of medium to large size and plump firm quality.

**QUALITY OF THE STRAIN.** (Color, texture, substance, bearing, etc.) As mentioned above, quality of the strain is not influenced by size of the tuber. It is dependent entirely upon the grower's skill and standards as a hybridist and plantsman. You can be sure of good strains only by buying tubers of known quality from reputable firms. The strains we offer in both Dutch and Pacific Hybrids are very select, chosen on the basis of actual results observed through years of constant testing. We sincerely consider them to be the finest available at the present time.

All of our Tuberous Begonias can be safely shipped to any part of the U. S., and are guaranteed to arrive in perfect condition. Our method of packing is exceptionally careful and all varieties are clearly and accurately labeled.

## Shipping Schedule — Tuberous Begonias

This year for the first time we will start shipping *Tuberous Begonias* the Second week of March (unless the weather is unseasonably cold) and continue until early May, or as long as stock holds out.



## Double Carnation

Fully double, exquisitely fringed *Begonias* that very closely resemble a huge carnation. Hardy growers, with large flowers and foliage. Blooms are held very erect on strong stems.

### IMPORTED DUTCH HYBRIDS

White	Pink	Orange
Yellow	Red	Copper

#### Selected Large Tubers

Each 30c	3 of any one color 80c	6 of any one color \$1.45
12 of any one color \$2.90	25 of any one color \$5.20	

#### All Color Mixture

##### Selected Large Tubers

3 for \$ .80	6 for \$1.45
12 for \$2.90	25 for \$5.20

#### All Color Mixture

##### Selected Medium Tubers

Each 20c	3 for 50c
6 for 90c	12 for \$1.80
25 for \$3.35	

### GIANT PACIFIC HYBRIDS

Pure Sparkling White	Vivid Scarlet	Pure Yellow
Soft Light Pink	Delicate Salmon	Rich Orange
Exquisite Deep Rose	Rich Dark Red	

#### Selected Large Tubers

Each 40c	3 of any one color \$1.05	6 of any one color \$1.95
12 of any one color \$3.95	25 of any one color \$7.30	

#### All Color Mixture

##### Selected Large Tubers

3 for \$1.05	6 for \$1.95
12 for \$3.95	25 for \$7.30

#### All Color Mixture

##### Selected Medium Tubers

Each 30c	3 for 80c
6 for \$1.45	12 for \$2.85
25 for \$5.20	

## Hanging Basket

These graceful pendulous *Begonias* bearing a profusion of colorful double blossoms are ideal subjects for rock gardens, hanging baskets, and window boxes. Their mass display in any situation is beyond description, and extends through the hot summer months well into autumn until killed by frost. Extremely charming and easy to grow.

Available in the following colors.

### IMPORTED DUTCH HYBRIDS

White	Pink	Orange
Yellow		Carmin-Red

#### Selected Large Tubers

Each 30c	3 of any one color 80c	6 of any one color \$1.45
12 of any one color \$2.90	25 of any one color \$5.20	

#### All Color Mixture

##### Selected Large Tubers

3 for 80c	6 for \$1.45
12 for \$2.90	25 for \$5.20

### GIANT PACIFIC HYBRIDS

This strain produces blooms which are fully double and larger than the Dutch. Also the selection of colors is more extensive. Often hundreds of blossoms to a bulb.

Pure White	Vivid Scarlet	Clear Yellow	Dark Apricot
Clear Pink	Light Red	Rich Orange	Soft Salmon
Exquisite Deep Rose			

#### Selected Large Tubers

Each 40c	3 of any one color \$1.05	6 of any one color \$1.95
12 of any one color \$3.95	25 of any one color \$7.30	

#### All Color Mixture

##### Selected Large Tubers

3 for \$1.05	6 for \$1.95
12 for \$3.45	25 for \$7.30

#### All Color Mixture

##### Selected Medium Tubers

Each 30c	3 for \$ .80
6 for \$1.45	12 for \$2.85
25 for \$5.20	





# Double Multiflora Begonias

Miniature Double Camellia and Rose Type Begonias

*Borne in Endless Profusion.*

Will Stand Considerably More Sunshine Than Other Types.

Most double Begonias are grown for the quality and beauty of individual blossoms, but the Multifloras are valued chiefly for a profusion of bloom held well above the foliage for maximum display. Individually the flowers are exquisite miniatures of double Camellias or Roses, and their collective display of brilliant coloring has placed them in great demand for bedding purposes and pot culture. Plants are dwarf and compact, and **will stand more sun than other types.** Excellent for borders along beds of the large-flowered types.

### Selected Medium Tubers

**AMI JEAN BARD.** A very fine novelty of rich orange suffused with yellow. Quantities of blooms over a long period of time.

\$ .40 each    3 for \$ .95    6 for \$1.75    12 for \$3.45    25 for \$6.20

**FLAMBOYANT.** (Fireflame). Profuse blooming, semi-double vermillion. Its dwarf growth and profusion of fiery red flowers make it especially valuable where this color is desired.

\$ .40 each    3 for \$ .95    6 for \$1.75    12 for \$3.45    25 for \$6.20

**MRS. RICHARD GALLE.** A sport of the popular Mrs. Helen Harms. Fine orange-salmon, with an extremely long flowering period.

\$ .40 each    3 for \$ .95    6 for \$1.75    12 for \$3.45    25 for \$6.20

**MRS. RICHARD GALLE SUPERBA.** A brilliant flame orange of warm rich tones.

\$ .40 each    3 for \$ .95    6 for \$1.75    12 for \$3.45    25 for \$6.20

**MRS. HELEN HARMS.** Considered by most as one of the finest of the Multifloras. A profusion of delicate golden yellow flowers all summer long. Dwarf and compact.

\$ .45 each    3 for \$1.05    6 for \$1.95    12 for \$3.90    25 for \$6.95



Multiflora

### Special Mixture — Double Multiflora Begonia

Propagation of the above named varieties is relatively expensive (as they are grown from cuttings) so we have obtained a good mixture of Pacific Hybrids (grown from seed) which is low enough in cost to permit quantity plantings for mass effect, borders and general bedding. This is not a mixture of named varieties, but consists of a carefully selected blend of white, rose, pink, salmon and yellow varieties.

If you have had difficulty in growing the large-flowered types of begonias to perfection, or haven't the time to devote to their care, try some of these Multifloras. They will stand more sun, need less attention, and are much more adaptable. Incidentally, the exquisite little blossoms are unsurpassed for table decorations when floated in shallow dishes of water, or arranged in miniature bouquets.

#### Selected Medium Tubers.

3 for \$ .70    6 for \$1.30    12 for \$2.25    25 for \$4.65    100 for \$17.70

#### Selected Large Tubers.

3 for \$ .85    6 for \$1.55    12 for \$3.05    25 for \$5.55    100 for \$21.25

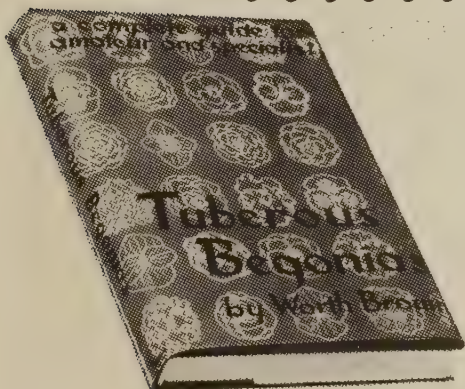
### FOREMOST BEGONIA BOOKS

**Tuberous-Rooted Begonias and Their Culture—George Otten . . . . . \$2.00**

A small, but very thorough and well written book for the beginner; covers all details of general culture:—propagation; classification and description of types; diseases and insects; and use of the cut flower. First published in 1935, but revised and brought up to date in 1947.

**Tuberous Begonias — Worth Brown . . . . . \$2.75**

This is a larger more comprehensive book; the most authoritative on the subject, and of particular value to the specialist. Profusely illustrated with superb line drawings not only of the general text but of every type of Tuberous Begonia grown today. First released for publication last fall.



# Giant Single Fringed

The most admired of all singles. *Single Fringed Begonias* are excellent for bedding and have rapidly become a universal favorite for this purpose, not only because of their fascinating floral characteristics but also because the large upturned flowers are carried well above sturdy foliage.

White	Pink	Orange
Yellow	Red	Copper

## Selected Large Tubers

Each 30c    3 of any one color 80c    6 of any one color \$1.45  
 12 of any one color \$2.90    25 of any one color \$5.20

## All Color Mixture Selected Large Tubers

3 for 80c    6 for \$1.45  
 12 for \$2.90    25 for \$5.20

## All Color Mixture Selected Medium Tubers

Each 20c    3 for 50c  
 6 for 90c    12 for \$1.80  
 25 for \$3.35

## For The True Begonia Fancier

### Choice Novelties

#### ROSE FORM NOVELTIES

These are the most beautiful of all Double *Tuberous Begonias* produced in the past few years. They are the most highly bred types carefully selected each season from the millions of seedlings of the so called *Camellia* types which have the perfect formation, petal structure and exquisite texture of lovely breathtaking roses.

Pure White	Soft Yellow	Exquisite Blush Shades
Soft Pink	Cardinal Red	Rich Scarlet
Exquisite Rose	Flame Orange	Soft Apricot
Crimson Rose	American Beauty	Salmon Blush

#### Special Exhibition Size Tubers

Each 85c    3 for \$2.35    6 for \$4.55    12 for \$9.05    25 for \$15.80

#### NAMED VARIETIES

**AUTUMN GLOW** An extremely large *Cristata* type, the tufts or crests of which are a deep copper, contrasting with the rest of the flower, which is apricot. The flowers sometimes measure ten inches across. The foliage is very attractive and much more luxuriant than any other tuberous rooted begonia.

**FASCINATION** *Marginata* or *Picotee* edge. A *crispa* flower, white with pink edge.

**RED TRIUMPH** A ruffled *camellia* type of ruby-red with a velvety texture. Very large.

**ROSE DAWN** A rose-pink with a large ruffled flower resembling a full-blown rose.

**SUNSET** A profusely frilled *crispa* type, light copper with a scarlet edge.

**STARS AND STRIPES** Brick red flowers speckled with white. Blossoms not large, but very numerous.

Large Selected Tubers.

\$ .95 each    3 for \$2.50    6 for \$4.50



Rose-Bud

Selection may be assorted in taking advantage of quantity prices. All varieties separately labeled and packaged.

# For The True Begonia Fancier

**MARMORATA** Fully double flowers of medium size in great profusion . . . beautifully mottled in shades of rose and white. Very striking and distinctive. An excellent strain developed by Brown Bulb Ranch. Unsurpassed for bedding or for pot plants.  
**\$.40 each 3 for \$1.05 6 for \$1.95 12 for \$3.95 25 for \$7.30**

**ROSE-BUD** Another beautiful double type resembling perfect rose buds. Available in a mixture of exquisite pastel shades. Many of the flowers are delicately two-toned.  
**\$.40 each 3 for \$1.05 6 for \$1.95 12 for \$3.95 25 for \$7.30**

**MARGINATA YELLOW** (Single Crispa Type). A very beautiful and unusual fringed variety of clear yellow with contrasting red margin.  
**\$.40 each 3 for \$1.05 6 for \$1.95 12 for \$3.95 25 for \$7.30**

**MARGINATA WHITE** (Single Crispa Type). Same fringed type as above except that flowers are pure white with a soft pink margin.  
**\$.40 each 3 for \$1.05 6 for \$1.95 12 for \$3.95 25 for \$7.30**



*Marmorata*

## DOUBLE CAMELLIA PICOTEE SHADES

(See Picture at Beginning of Begonia Section)

These are very choice novelties developed by intercrossing the large *Camellia* type with the smaller beautifully variegated *Marmorata* type. The flowers are slightly smaller in some instances but of exquisite *Camellia* form, with two-toned combinations of soft colors, with a definite contrasting edge. The gay attractive edging is usually not a thin definite line, but a lovely irregular border blending into the dominant shade.

Pink Shades	Salmon Shades	Red Shades
Rose Shades	Apricot Shades	All Shades Mixed

*Selected Large Tubers*

**Each 40c 3 of any one color \$1.00 6 of any one color \$1.85**  
**12 of any one color \$3.65 25 of any one color \$6.55**

*Selected Jumbo Exhibition Tubers*

**Each 50c 3 of any one color \$1.25 6 of any one color \$2.35**  
**12 of any one color \$4.70 25 of any one color \$8.45**

**DOUBLE CAMELLIA PICOTEE - SPECIAL MIXTURE** of Snowy White varieties charmingly edged with varying shades of Pink. Very choice.

*Selected Medium Tubers*

**Each 35c 3 of any one color 90c 6 of any one color \$1.70**  
**12 of any one color \$3.35 25 of any one color \$6.05**

## HOLLYHOCK — FLOWERED BEGONIA

The *Hollyhock Begonia* is a most unusual and attractive novelty which is rapidly becoming very popular in the U. S. It has many possibilities for plantings where other *Begonias* would not be suitable. Because of its height, it makes an excellent background for other plants, and it is much more sun tolerant. It has been grown successfully in full sun even in California, and this characteristic alone makes it a very valuable addition to any garden.

The *Hollyhock Begonia* produces only one Central stem but large plants will branch particularly if they are in a location receiving plenty of light. Grows to a height of two feet in open sunshine, but taller in shade. The shorter compact plants are the most attractive.

The flowers are a lovely light pink in the shade, and almost a deep rose in full sun. They are single, about 2 inches in diameter, growing closely to the stem in true Hollyhock fashion.

Plant in groups or clusters for the most beautiful effects.

Bulbs of this type are relatively small and round, and lightly cream colored. It is very easy to plant them upside down because they are almost completely round, and only a small spot where the old stem was located marks the top.

*Selected Tubers*

**Each 45c 3 for \$1.20 6 for \$2.30 12 for \$4.55 25 for \$8.15**

## No. LE61 LIGHTWEIGHT FLORAL SPADE

Specially designed for working in flower borders and other places where a small light tool is desired. The blade is slightly curved, 5 1/4 inches wide, and 10 inches long. Total weight is only 2 3/4 lbs., yet it is extremely strong and durable. Ideal for feminine gardeners. **Each \$2.45**



# Magnificent Gladiolus



*Gene*

**A  
COMPREHENSIVE  
COLLECTION  
OF  
THE FINEST  
AND  
MOST  
BEAUTIFUL  
GLADS  
IN EXISTENCE**

*Imported Dutch  
and  
American Hybrids*

The selecting of fine Gladiolus varieties for our friends is not an easy task, as there are literally hundreds of beautiful varieties on the market today. In addition to choosing the most outstanding creations, we must give much thought to a complete range of all harmonious colors and shades, and must be sure each variety is a good dependable type that can be relied upon to produce beautiful results under varying conditions in all parts of the U. S.

We devote an unlimited amount of time to the study and evaluation of varieties, and have assembled a vast file of reports and comments from our customers which has proven invaluable

in making final decisions. To warrant a place of honor in our catalog year after year, a variety has to be rated as a popular "backyard favorite" by our customers, even though classed as top exhibition quality by leading experts. There are more than 30 different characteristics to consider when selecting worthwhile varieties, but all are quite valueless if color is not good. Of what value is size, vigor, substance, proportion, etc., if colors are faded or dull, unharmonious, or lacking in clarity? Realizing this, we devote much attention to color quality, and you will find each of our varieties unsurpassed in this respect.

Make your selection with full confidence . . . even if you have never grown Glads before, or are unfamiliar with these varieties . . . knowing that any variety chosen will be dependable and beautiful. This is the trust you place in us, and we accept it as one of our most important responsibilities.

### *Why offer both American and Dutch-Grown Bulbs?*

To provide the very finest selection possible we feel it is necessary to offer both American and Dutch-grown bulbs. In doing so, we have been particularly careful to select individual varieties with distinct personality differences, even though listed in comparable color groups. So you may select both American and Dutch varieties from the same color group with full confidence.

### *Size and Quality of Our Bulbs*

Commercially, *Gladiolus* bulbs are graded into 6 sizes, but we offer only top grades of No. 1. The size most generally planted by specialists and fanciers . . . ranging between 1½ to 2" in diameter. These are the high crowned, plump, vigorous bulbs that produce the finest exhibition spikes.

For general garden planting when economy is necessary, No. 2 size is quite satisfactory. Floral spikes will be better than medium size, and during the growing season the No. 2 bulb will increase to No. 1 size.

## Our Final Decision In Selecting Each Variety Is Based On The . . .

### VALLEEVUE TEST GARDEN TRIALS

*Conducted by the Biological Field Station of Western Reserve University, and the Garden Center of Greater Cleveland.*

The Valleevue Test Garden Trials are the most comprehensive, exacting and authoritative *Gladiolus* Trials in America, and we have found their ratings to be so reliable that every variety we list (American or Dutch) is checked against full detailed trial reports. In this way we are absolutely sure of performance and quality under average American climatic conditions, and the relationship of quality compared with all other varieties on the market.

*The following information is quoted direct from the Test Garden Report for 1950. It will serve to emphasize the thoroughness and extensiveness of the entire program.*

#### GLADIOLUS TRIALS

"The Valleevue Trial Gardens tested 485 varieties of *gladiolus* during the past season, well over twice as many as in 1949.

"About 100 standard and best previously tested varieties were grown along side for comparison purposes, including *Boldface, Circe, Connecticut Yankee, Cotillion, Evangeline, Firebrand, Florence Nightingale, Leading Lady, Mid-America, Mighty Monarch, Patrol, Polynesie, Prof. Goudriaan, Ravel, Red Charm, Salman's Glory, Strathnaver, Sun Spot, Trivoli, White Goddess, World Beater, Etc.*

"The pages for recording data on each variety provide 109 blanks, most of which ultimately get answered. 28 deal with name, source, stock, soil, fertilizer, etc., 57 deal with foliage, flower head, stem, floret, etc., 15 deal with color, 3 with propagation, 3 with disease resistance tests by U. S. Dept. of Agriculture at Beltsville, Maryland, and 3 deal with ratings.

"Some light should be given on the enormity of the task the Trial Garden has in fulfilling its obligations to those who submit material each season. Further memos have been kept to check the various man-hours required to grow these plants, tabulate their characteristics, and judge them and prepare the records for printing to apprise the industry, its members submitting varieties for trial and the public interested in *gladiolus*. Over 2500 man hours were required. Plainly, it is an enormous task and the expense likely well beyond the means of any *gladiolus* society. The volunteer contribution of much time by various members of the Ohio State *Gladiolus* Society is deeply appreciated.

"Varieties from 59 hybridizers in the United States, Canada, Australia, New Zealand, Germany, Holland, and England were rated for color value, exhibition and commercial value.

"In checking over the varieties submitted, certain colors predominate, indicating present trends in hybridization. There were 48 yellow, 45 lavender, 41 light pink but only 6 light violet, 4 deep violet, 2 smoky, and 2 A.O.C. (any other color.) The yellow group had in it the finest yellows ever displayed. They certainly spell doom for many of our present yellows.

"Of the 485 varieties tested, a total of 55 rated at least one A, 13 or more of them secured A or AA in both Exhibition and Commercial, 27 of them one A and one B, the remaining 15 secured one A and one C. Further, 31 rated BB, 54 rated one B, the other a C or D, and the entire balance of 345 rated assorted C's and D's. They contain the names of many currently well publicized sorts.

"To a very limited extent, where it is known that unhealthy bulbs were supplied, or the hybridizer feels that the performance was inconsistent due to condition on arrival of stocks supplied, a further test will be made if a new stock of sound bulbs is supplied. However, if the rating appears based substantially on low color value, a further test would be close to hopeless.

"*Gladiolus* persist because they are beautiful. Since a variety with an unattractive color is relatively worthless, regardless of how many other growing and exhibition characteristics are good, the first fundamental in rating *gladiolus* is its color appeal. If it fails there, our advice is to abandon it, the sooner the better, and try again.

"Fortunately, the color of a *gladiolus* is relatively stable, regardless of the geographical location where bloomed. The season was relatively cool, with plenty of soil moisture, included a hot spell and a wet soggy, watersoaking spell, all of which gave wide opportunity to check for inclement weather damage to color and petal substance.

"Several of the foremost color judges in America live close by, all members of the Ohio *Gladiolus* Society which is currently foremost in influencing exhibition judges to give full measure of consideration of the scoring points awarded to color. With color relatively stable, though variably subject to damage by adverse weather, with competent judges, this Test Garden is able, on one year test in one location to give relatively accurate color ratings."

THOMAS MANLEY, *Horticulturist*





Clarence D. Fortnam

**NEW YORK** (*Salman '51*) EM 562 89 AA  
 Huge imposing spikes of rich, very deep rose; deeper than blood red but definitely rosy. It is a very distinctive and refreshing color that will blend magnificently in floral arrangements. Of very strong, robust habit, with long well formed spikes that are always straight and regal. Truly a queen in every respect. Note that it was given the highest rating possible at the Valleevue Test Garden Trials in 1950.

Each 45c      3 for \$ 1.15      12 for \$ 4.30  
                   25 for \$ 7.70      100 for \$29.95

**NORTHERN QUEEN** (*Preyde N. I.*)

M 530 80 B

Rich, salmon-rose, paling to a more delicate tone in the throat. A late flowering giant gladiolus with long flower-heads and tall, strong spikes. Especially valuable for cutting.

Each 40c      3 for \$ 1.00      12 for \$ 3.65  
                   25 for \$ 6.60      100 for \$25.50

**PACTOLUS** (*K & M '47*)

E 417 89 A

A flawless beauty of deep apricot-cream with prominent orange red marks on the lower petals. This is a very spectacular glad, with strong bright colors in pleasing harmony. Stems are tall and straight with 8 or more exquisitely formed florets open at the same time; closely spaced and well attached. Florets are well opened, ruffled and slightly recurved. Rapidly becoming extremely popular.

3 for \$ .40      12 for \$ 1.30  
 25 for \$ 2.45      100 for \$ 8.95

**POLYNESIE** (*K & M '50*)

M 430 90 AA

Beautiful salmon-rose of great purity and clear tone, with a soft creamy-yellow center, and a few scarlet lines in the throat. A bit deeper in color than Picardy. This variety is almost approaching perfection with its long heads of perfect, slightly ruffled florets, and majestic proportions. Opens 8 to 10 florets at a time. Is practically unsurpassed as a cut-flower, with seemingly unlimited lasting qualities. A real floral gem. Note it was awarded the highest rating possible at the Valleevue Test Garden Trials.

Each \$ .95      3 for \$2.55      12 for \$ 9.50

**PRESIDENT TRUMAN** (*Salmon '48*)

L 440 89 B

An exquisite delicate flesh pink — almost a self. Grand spikes of majestic proportion, with many flowers open at one time. Florets are very large and well formed. A new variety of great merit that is destined to become very popular in the next few years.

3 for \$ .30      12 for \$ .90  
 25 for \$ 1.70      100 for \$ 5.95

**RAVEL** (*K & M '47*)

E 477 84 A

An exceptionally striking variety of medium blue with overtones of violet, and a reddish brown throat mark. Deeper colored than the well known Blue Ice. Very strong, healthy, with tall spikes of large florets beautifully proportioned and well spaced, and of good substance. Stands very straight and regal. Consistent winner of top awards at all leading European shows. More than 13 "firsts" in U. S. during 1949.

3 for \$ .40      12 for \$ 1.30  
 25 for \$ 2.45      100 for \$ 9.00

**TIVOLI** (*K & M '47*)

LM 460 91 AA

A veritable masterpiece in pink that will probably be unsurpassed for many, many years. Exquisite clear light salmony-rose pink of delicate tone, blending into a lighter throat of clean color. Large florets, opening 8 to 9 at a time, arranged in perfect precision on strong straight spikes. Note it was awarded the highest rating possible at the Valleevue Test Garden Trials.

3 for \$ .35      12 for \$ 1.15  
 25 for \$ 2.10      100 for \$ 7.50

**VELVET DREAM** (*De Be '50*)

EM 570 87 B

A real beauty of velvety garnet red with intangible overtones of brown to purple. Neatly accentuated with a dainty hairline edging of silver. Has the same handsome, glowing characteristics of the "Mansoor" type. Huge imposing spikes with long flower heads of wide open, round florets on wiry stems. Attracted a great deal of admiration at the London Show 1949, Olympia Hall.

Each 95c      3 for \$ 2.55      12 for \$ 9.50

**VREDE (K & M '48) M 400 90 B**

Pure snowy white, in bud as well as flower, attractively etched with a tiny violet mark deep in the throat. A very strong elegant variety with good size florets, daintily ruffled, on straight uniformly arranged spikes. A very lovely, sparkling floral gem.

3 for \$ .35      12 for \$ 1.15  
25 for \$ 2.10      100 for \$ 7.50

**WORLDBEATER (Pfitzer '49) M 411 90 A**

A glorious treasure of clear medium-light yellow, with a glistening, waxy quality that makes it one of the most beautiful glads we have seen in many years. Has a clear red throat mark more prominent than that of Spotlight. Marvelous variety for hot dry weather, losing none of its beautiful coloring and texture. Opens 8 to 10 large florets at a time, on tall, strong well proportioned stems. A superb variety for cutting.

Each 40c      3 for \$ 1.05      12 for \$ 3.90  
25 for \$ 6.95      100 for \$27.00

**SMALLER SIZE BULBS, AND BULBLETS**

are available in all varieties of Imported Dutch Introductions and Novelties for 1951. Prices listed after all varieties in this catalog are for large Top size No. 1 corms. For prices on Medium and Small sizes and Bulblets, drop us a card and ask for special Gladlist No. SGL-100.

**AMERICAN INTRODUCTIONS AND NOVELTIES FOR 1951**

Regretfully, due to catalog space, we had to leave out our complete listing of beautiful American Introductions and Novelties for 1951.

As these are all superb varieties we have included them in our Special Glad list No. SGL-100, including: *Birch Red, Boise Belle, Bonfire, Clarence D. Fortnam, Cotillion, Dolly Varden, Evangeline, Florence Nightingale, Gene, Heart's Desire, Lancaster, Patrol, Purple Supreme, Regal Red, Sundance, Sunspot, Topflite, Wedgewood, White Goddess.*

Drop us a card and ask for List No. SGL-100.

**Leading Popular Varieties****Whites and Creams****Imported Dutch****MORNING KISS (Hulsebosch '48)**

LM 500 85 A

An exquisite white of clear glistening purity, with a dainty blush of pink deep in the throat. Tall straight spikes carrying huge 5 to 6 inch florets, with many open at one time and all buds showing color. An utterly magnificent variety. Awarded F. C. C. at Haarlem, Holland in 1947. Note excellent rating at Valleeve Test Garden Trials.

3 for \$ .30      12 for \$ .90  
25 for \$ 1.70      100 for \$ 6.00

**SALMAN'S GLORY (Salman '47)**

E 507 92 AA

One of the most magnificent giants ever created. Pure light cream paling to soft pure white at the petal edge; with a spectacular throat of rich carmine shading to strong yellow, which smoothly blends into the basic cream. The basic color is absolutely pure with no flecking or feathering. Very clean, and perfect color harmony. It is almost impossible to properly describe this lovely sparkling giant, and we urge everyone who has never grown it to do so for sure this year. Note that it received the highest rating possible at the Valleeve Test Garden Trials.

3 for \$ .30      12 for \$ .90  
25 for \$ 1.70      100 for \$ 6.00

**SNOWPRINCESS M 400**

Pure creamy white with a few faint pink lines etched in the throat. Flowers are of good size and form, well placed on tall straight stems, with many open at one time. One of the best whites. Midseason.

3 for \$ .30      12 for \$ .90  
25 for \$ 1.70      100 for \$ 6.00

**American****LEADING LADY (Johnson '42) M 506 90 AA**

A graceful giant of refreshing creamy white with elegantly waved edges. Sport of Picardie. Tall strong spike, with many large, well expanded flowers open at one time. A vigorous grower and excellent exhibition variety. (Has one of the best show records of any Glad yet introduced). Very popular.

3 for \$ .30      12 for \$ .90  
25 for \$ 1.65      100 for \$ 5.70

**ORIENTAL PEARL (Carlson '46) EM 506**

Extremely large florets of a distinctive old ivory shade. Its large size takes nothing away from its beauty. A basket of this one variety is almost breath-taking in sheer loveliness. Stems are not too tall, so it is ideal for bouquets in the average home. Florets more evenly placed than Leading Lady.

Each 20c      3 for \$ .40      12 for \$ 1.15  
25 for \$ 2.10      100 for \$ 7.60

**SILVER WINGS (Riley '44) M 500**

Another beautiful Picardie sport which is much whiter than Leading Lady, with wider open florets and more intense ruffling. A good dependable exhibition variety.

Each 20c      3 for \$ .45      12 for \$ 1.45  
25 for \$ 2.75      100 for \$10.15

**WHITE GOLD (Sheer '41) E 506**

A very early extra large, clear, light cream blending to gold in the throat. Opens six huge florets on a very tall stem. One of the largest and most beautiful Glads grown today. A great Show Glad. Of particular value because of its early blooming habits.

3 for \$ .30      12 for \$ .80  
25 for \$ 1.45      100 for \$ 5.05

**Yellow Shades****Imported Dutch****GOLD DUST E 412**

Very appealing shade of clear deep buttercup yellow throughout. Good strong spikes of medium size, well formed flowers in good arrangement. Fine cut flower. Especially valuable for its early flowering habits.

3 for \$ .30      12 for \$ .90  
25 for \$ 1.70      100 for \$ 5.95

**American****MOTHER KADEL (Kadel '41) EM 310**

Large, clear medium yellow of soft faultless texture. One of few clear self-yellows. Very waxy texture even to the very depth of the throat. A very lovely and inspiring creation. The moderate length stems make it ideal for floral arrangements.

3 for \$ .35      12 for \$ 1.00  
25 for \$ 1.80      100 for \$ 6.35



**SPOTLIGHT (Palmer '44)**

EM 413

A much deeper and brighter yellow than Mother Kadel, with a beautiful scarlet throat. Unique in this color combination. It cuts so well in the bud, and has such excellent lasting qualities that we consider it one of the leading, always dependable, garden varieties. Does well in Summer's heat. Do not confuse this with the red variety *STOPLIGHT*.

Each 20c      3 for \$ .40      12 for \$ 1.20  
 25 for \$ 2.25      100 for \$ 8.20



Birch Red

**Buff, Salmon, Orange and Apricot Shades****Imported Dutch****BLOEMFONTEIN (K & M)** L 430 C

Deep, rich salmon apricot. Very fine full spike of exceptionally large flowers. Best described as an early flowering Picardie. Good large well arranged trusses. Extra fine for cutting.

3 for \$ .30      12 for \$ .90  
 25 for \$ 1.70      100 for \$ 5.95

**ILE DE FRANCE**

Enormous spike with many well-opened flowers of soft creamy hue, shaded apricot. A lovely, quiet blend of harmonious shades so necessary in artistic floral arrangements.

3 for \$ .30      12 for \$ .90  
 25 for \$ 1.70      100 for \$ 5.95

**ORANGE PRINCESS**

One of the finest of the orange Gladioli, with large flowers on strong imposing spikes. Attractively flaked with a darker shade.

3 for \$ .30      12 for \$ .90  
 25 for \$ 1.70      100 for \$ 5.95

**American****ALADDIN (Palmer '38)** M 532

Ruffled salmon with lighter throat. These beautiful, very large florets open wide on a good length flower head. Closely set together and make a most beautiful cut flower. Length of stem a little short for basket work. Ideal for vase arrangement.

3 for \$ .30      12 for \$ .80  
 25 for \$ 1.45      100 for \$ 5.05

**BUFFETTE (Windsor '37)** M 416

Clear buff with fine pencil line in the throat. Large tall grower and will open 10 to 12 beautiful florets at one time. Exceptionally lovely color to use in bouquets and floral arrangements, as it will tend to soften and harmonize other more brilliant shades.

3 for \$ .35      12 for \$ 1.00  
 25 for \$ 1.80      100 for \$ 6.35

**ORANGE GOLD (Marshall '45)** EM 422

A wonderful shade of golden-orange. Opens 6 well-expanded florets at one time on extra tall spikes. One of the finest orange Glads of American origination.

Each 25c      3 for \$ .50      12 for \$ 1.75  
 25 for \$ 3.25      100 for \$ 12.05

**Scarlet and Red Shades****Imported Dutch****JOHAN VAN KONIJNENBURG (K & M '47)** M 436 86 A

The largest and best Orange-Scarlet variety in existence. Tall vigorous spikes of clear, rich, glowing orange scarlet bearing as many as 10 florets open at a time — each floret well spaced, broadly expanded, and graceful in proportion. Tall, extra strong, straight spikes. Valuable exhibition variety. Obtained highest award at the Haarlem International Gladiolus Show, August, 1947. A great improvement over the fine variety New Europe. Excellent cut flower. A truly outstanding creation in any garden or floral arrangement.

3 for \$ .30      12 for \$ .90  
 25 for \$ 1.70      100 for \$ 5.95

**MANSOER** (*Salman '47*) EM 454 89 A  
 A very distinct deep blood red with blackish velvety sheen. Tall majestic spikes. Flowers are exceedingly large, smooth, well expanded, and long lasting. Spikes are tall and wiry, well proportioned, with 8 to 10 flowers open at a time. Awarded F. C. C. at Haarlem, Holland in 1945. Of top exhibition quality, and rapidly becoming one of our most popular deep red varieties. Unsurpassed for cutting.

3 for \$ .30 12 for \$ .90  
 25 for \$ 1.70 100 for \$ 5.95

**NIELS BOHR** (*Salman N. I.*) LM 436 84 B  
 A most intense shade of brilliant glowing scarlet with slight featherings of deep scarlet. Dark red dart on lip petal ending with cream. Fine imposing spikes thickly set with medium sized flowers of perfect shape. Many flowers out at a time. A very dependable, gorgeous variety.

Each 40c 3 for \$ .95 12 for \$ 3.45  
 25 for \$ 6.20 100 for \$24.00

American

**MIDNIGHT RED** (*Rich '40*) E 454  
 Bold, handsome velvety black-red, delicately penciled with white on the two lower petals. Opens up to 8 florets at one time on tall well-balanced spikes. Very dependable grower and one of the best black-reds.

Each 20c 3 for \$ .40 12 for \$ 1.30  
 25 for \$ 2.40 100 for \$ 8.85

**REWI FALLU** (*Fallu '35*) LM 554  
 Immense, rather dark red with black flaking. A beautiful Glad for home use.

3 for \$ .30 12 for \$ .80  
 25 for \$ 1.45 100 for \$ 5.05

**STOPLIGHT** (*Lins '42*) M 450  
 Leading commercial red. Opens 6 blooms at once on a straight strong stem. Florets wide open, well placed, ruffled and well attached. Has a very good Show record. Do not confuse with the yellow variety SPOTLIGHT.

3 for \$ .35 12 for \$ 1.00  
 25 for \$ 1.80 100 for \$ 6.35

## Pink and Rose Shades

### Imported Dutch

**DOCTOR FLEMING** (*Salman*) 442 C  
 A lovely refreshing combination of deep rose pink with a blush of white on lower petals. Exquisitely ruffled. Excellent grower, producing tall full spikes with 10 flowers open at one time. Awarded F. C. C. at Haarlem, Holland in 1948. One of the best of latest Dutch introductions.

Each 20c 3 for \$ .40 12 for \$ 1.25  
 25 for \$ 2.30 100 for \$ 8.25

**GENERAL EISENHOWER** (*Salman '48*) M 560 83 A  
 Exquisite large flowers of soft Begonia Rose. A most spectacular and powerful variety of unsurpassed beauty and loveliness. The 7 inch florets in precise double rows produce a floral spike of tremendous width — the greatest we have ever seen — yet it is perfectly proportioned and graceful. Excellent cut flower qualities. Extremely popular and a consistent exhibition winner.

Each 20c 3 for \$ .40 12 for \$ 1.30  
 25 for \$ 2.45 100 for \$ 9.00

**GRETA GARBO** M 441  
 Delicate rose pink with tones of amber that blend into a lighter creamy throat. One of the finest Glads ever introduced. Blooms are large, well expanded, and many open

at one time. Well placed on straight tall stems. Soft salmon-rose in bud. Vigorous grower. Mid-Season.

3 for \$ .35 12 for \$ 1.15  
 25 for \$ 2.10 100 for \$ 7.50

**LEEUWENHORST** (*Salman*) M 650  
 An enormous spike thickly set with gigantic flowers of soft uniform pink. Each opens fully, with many out at a time. A creation of unsurpassed beauty.

3 for \$ .30 12 for \$ .90  
 25 for \$ 1.70 100 for \$ 5.95

### PICARDY

One of the best known varieties that has been the sensation of the Gladiolus world since its introduction. Of soft apricot pink with an inconspicuous feathering of delicate Begonia rose. Seven to eight florets open at one time, with blooms up to six inches or more across. Van Tubergen's special selected strain of very robust habit — the best in Holland.

3 for \$ .35 12 for \$ 1.15  
 25 for \$2.10 100 for \$ 7.50

**SKYMASTER** (*Salman*) M 540 C  
 Very delicate flesh pink. Well finished spike thickly set with flowers of excellent form, clear color and fine texture. Tall, strong and straight with many flowers open at one time.

Each 20c 3 for \$ .45 12 for \$ 1.50  
 25 for \$ 2.85 100 for \$10.50

### American

**BIG TOP** (*Rich '42*) EM 541  
 Medium to light pink with an attractive carmine feather in the throat. The huge florets are of good texture with petals slightly creased in the center. It is one of the top giants in growth of plant, florets and foliage. Grows easily over 6 feet tall with flower head up to 44". Blooms 7½" across, with 6 open at one time. Always in demand in the cut-flower trade.

Each 20c 3 for \$ .40 12 for \$ 1.30  
 25 for \$ 2.40 100 for \$ 8.85

**BURMA** (*Palmer '43*) M 562  
 Magnificent heavily ruffled velvety deep rose with delicate overtones of soft red. Opens 8 giant-sized florets on a straight well-balanced spike. Superb texture and substance. Just about the most beautiful deep rose variety on the market. Exceedingly popular both for the home garden and as a cut flower.

Each 20c 3 for \$ .40 12 for \$ 1.15  
 25 for \$ 2.10 100 for \$ 7.60

**CHARMAINE** (*New '40*) E 360  
 This is perhaps the only Glad of a true rose color. Clear and beautiful. Early and always a very dependable grower. A consistent blue ribbon winner in its class throughout the country.

3 for \$ .30 12 for \$ .80  
 25 for \$ 1.45 100 for \$ 5.05

**CORONA** (*Palmer '40*) EM 560  
 Outstanding cream-white with a lovely Corona of tinted rose-pink along the petal edges. Open 6 very large blooms on an unusually tall spike. A consistent Show winner. Strong vigorous grower under fairly dry conditions. Lovely and distinctive coloring. (This is our grower's re-selected improved strain — far superior to most of the regular strains.)

Each 25c 3 for \$ .55 12 for \$ 1.85  
 25 for \$ 3.40 100 for \$12.65

**COVER GIRL (La Salle '45)** M 542

A fine, tall soft pink of medium tone, with long graceful flowerheads of 5½" florets. Vigorous and free flowering, opening as many as 10 flowers at a time. Not especially fancy, but quietly charming and very well liked everywhere.

Each 25c      3 for \$ .55      12 for \$ 2.00  
                   25 for \$ 3.70      100 for \$13.95

**SPIC & SPAN (Carlson '46)** EM 432

A royal, radiant creation that is one of the most admired Glads of the day. Opens 10 beautifully ruffled deep pink florets on a 20-bud spike. Very tall and graceful, perfectly proportioned and extremely vigorous. Produces abundantly during mid-summer heat. Consistent and leading show winner.

Each 30c      3 for \$ .70      12 for \$ 2.55  
                   25 for \$ 4.65      100 for \$17.75

## Blue, Lavender, Lilac, and Violet Shades

### Imported Dutch

**ABU HASSAN (K & M)** E 378 A

Deep velvety blue with darker flakes. Improved Pelegrina. Vigorous straight spikes of good height. An extra fine variety in this color class that has become exceedingly popular. Excellent garden variety—fine for cutting. The best dark blue of recent years.

Each 20c      3 for \$ .40      12 for \$ 1.25  
                   25 for \$ 2.30      100 for \$ 8.25

**LAVENDER DREAM (de Goede '48)** M 466 90 B

A lovely variety with excellent exhibition qualities, in a color that is exquisitely beautiful. It is usually classified as a soft lavender, but it is actually soft cattleya rose with a delicate tone of violet, and creamy marks. Very bright colored and harmonious. Tall strong spikes with many flowers open at a time.

3 for \$ .30      12 for \$ .90  
 25 for \$ 1.70      100 for \$ 5.95

**MEMORIAL DAY (Salman '49)** M 570 83 C

A rather unusual shade of rich Bishop's purple with overtones of violet and white penciling on the lower petals. Ideal for blending in bouquets and floral arrangements. Fine, well proportioned spikes.

Each 25c      3 for \$ .50      12 for \$ 1.75  
                   25 for \$ 3.20      100 for \$12.00

## GLADIOLUS SPECIAL MIXTURE

### Imported Dutch Varieties

A very carefully prepared blend of choice named varieties, including an excellent range of colors and varieties.

Top Quality No. 1 Size Corms. OFFER No. 205  
 3 for 30c      6 for \$ .45      12 for \$ .90  
 25 for \$1.70      100 for \$6.00      250 for \$13.95

### American Varieties

Top Quality No. 1 Size Corms. OFFER No. 206  
 3 for 35c      6 for \$ .55      12 for \$ 1.00  
 25 for \$ 1.80      100 for \$6.35      250 for \$14.65

Economy Cut Flower Mixture OFFER No. 207  
 Well blended mixture of all lower priced No. 1 and No. 2 Corms.

12 - .75c      25 - \$1.35      100 - \$4.35      250 - \$9.95

**MUSIO CLEMENTI (Van Til)** E 376 A

Splendid spikes of soft blue. Another very popular variety, with flowers of good texture and spikes of noble proportions. A fine shade of color for artistic blending.

3 for \$ .30      12 for \$ .90  
 25 for \$ 1.70      100 for \$ 5.95

**PAUL RUBENS (Salman)** E 470 B

Fine large uniform violet flowers that remain in bloom for a long period. A decided improvement on the old variety *Jacoba van Beieren*. Reddish deep violet with magenta. Extra for cutting.

3 for \$ .30      12 for \$ .90  
 25 for \$ 1.70      100 for \$ 5.95

### American

**ELIZABETH THE QUEEN (White '41)** M 566

Beautiful clear lavender with delicate etchings of a deeper shade in the throat. Opens 8" wide, beautifully ruffled blooms of giant size. This is by far the most popular lavender in a reasonable price range. Is greatly in demand for cut flower work and for exhibition. An exquisite appealing creation, every bit worthy of its royal title.

3 for \$ .35      12 for \$ 1.00  
 25 for \$ 1.80      100 for \$ 6.35

## Smokies

### Imported Dutch

**SILHOUETTE** M 480

A fascinating color combination of rose, pink and grey, creating a smoky-dawn effect. This is very appealing to Glad fanciers, and is consistently popular. Strong, well formed spikes. Early.

3 for \$ .30      12 for \$ .90  
 25 for \$ 1.70      100 for \$ 5.95

### American

**HIGH FINANCE (Wilson '40)** LM 582

A smoky light orange-grey with cream throat. A strong grower of large spikes. Beautiful florets slightly ruffled, and many open at one time. Late.

Each 25c      3 for \$ .55      12 for \$ 1.85  
                   25 for \$ 3.40      100 for \$12.65

**VOODOO (Kadel '44)** EM 486

A huge smoky greyish-rose with bronze veining. The florets are nicely ruffled and fluted. A most unusual and interesting novelty.

Each 30c      3 for \$ .75      12 for \$ 2.75  
                   25 for \$ 4.95      100 for \$19.00

## SPECIAL COLLECTIONS

### EXHIBITION COLLECTION No. 201

6 Bulbs each of 8 selected varieties of matchless beauty and perfection from among the LEADING POPULAR VARIETIES that have outstanding show records in their color class. An ideal assortment of color groups with at least 1 new introduction or novelty for 1951.

48 bulbs      *Separately packaged and labeled.*  
 Select quality No. 1 bulbs.....\$4.45

### COLOR COLLECTION No. 202

6 bulbs of one variety selected from each of 8 different color group, both American and Dutch. A well-balanced series of distinctive colors for a harmonious blend in the garden and in cut flower arrangements.

48 bulbs      *Separately packaged and labeled.*  
 Select quality No. 1 bulbs.....\$3.25



# Cultural Information

*These Cultural Directions are compiled as a Barnes' service for the convenience of our many gardening friends. This valuable data is the latest, most authoritative information available, and has been prepared by our staff and horticultural associates.*

## ACIDANTHERA

A very choice subject for the flower border and for cutting. Flowers from mid-August through September.

**PLANTING.** In the spring *after ground warms up*. Set corms 4 inches deep, and about 8 to 10 inches apart in informal groupings.

**SOIL.** A deep rich garden loam containing plenty of humus.

**WINTER CARE.** Before first freeze in the fall dig and *dry corms thoroughly*. If not well dried before storing they will tend to decay. Store in loose dry Buckwheat hulls (Mul-Tex) in a temperature of 55 to 60 degrees F.

**SPECIAL NOTES.** Ample and continuous moisture must be provided during entire growing season or results will be poor. But soil must be well drained. Do not plant too early in the Spring before ground is warm as the plants develop better and quicker in warm soil.

## AGAPANTHUS

A very showy conservatory plant, used extensively in tubs on outdoor terraces. Summer flowering. In warm climates they may be treated as outdoor subjects year around.

**PLANTING.** As soon as received. Cover with 2 to 3 inches of soil. Use large tubs as the vigorous roots may burst pots.

**SOIL.** A good rich garden loam, with enough sand and humus added to make a rough porous mixture. Humus may be in the form of leaf-mold, well rotted cow manure, or peat moss—preferably manure if available.

**FEEDING.** Are gross feeders. Feed regularly every 2 or 3 weeks with a balanced liquid fertilizer (Ra-Pid-Gro). Twice each year apply a top dressing of old well-rotted cow manure—first scraping away a bit of the top soil so tub is not filled to edge.

**GENERAL CARE.** Keep exceptionally well watered from the very beginning (Tubs of course should be well drained). In full growth or in flower they require exceptionally large quantities of water.

**WINTER CARE.** Any time in autumn begin to reduce water supply (but do not permit them to dry up entirely), and in a few weeks move tubs into a light cellar or conservatory. Keep dormant, but maintain just enough moisture to keep the evergreen leaves from falling.

**SPECIAL NOTES.** Will produce a magnificent display of blooms year after year if given large enough tub to prevent overcrowding, and kept properly fed during the growing season.

## ANEMONE CORONARIA

*(Including all of its numerous varieties and types)*

Very colorful interesting subjects for the hardy flower border or for greenhouse forcing.

**PLANTING.** As soon as possible in the spring—*the earlier the better*. Set about 3 to 4 inches deep and about 4 to 5 inches apart. Locate in full sun.

**SOIL.** Prefer good loamy well worked soil, but are not too fussy. Of course, drainage must be good.

**WINTER CARE.** Before freezing weather dig and dry corms. Store the same as Glads in a cool dry place.

**SPECIAL NOTES.** Bloom best when the weather is cool and moist, and when ground is moist. This is usually mid to late spring, so plant early. Freshly harvested corms may be planted in October and covered with a heavy straw mulch. Will then bloom early in the spring, and for a longer period of time.

## BEGONIA—TUBEROUS ROOTED

An increasingly popular group of plants, of unusual variety and merit. Spectacularly beautiful, adaptable to many purposes, and particularly valuable for their shade-loving habits.

**PLANTING.** In most parts of the country they are best started indoors about 7 to 9 weeks before usual date of last killing frost in the locality. Under no circumstances start them before early March as they follow a definite schedule of rest and growth which should not be tampered with. Also, if grown more than 10 to 12 weeks in the dry atmosphere of the house, plants will become weak and spindly.

**METHOD OF STARTING.** May be planted individually in pots or collectively in open flats. Use a good porous humusy soil. A reliable mixture is made of equal parts rich garden loam and peat moss, plus a little sand and well rotted cow manure if available. However, accurate proportions are not important at this stage.

Do not firm soil too much. Then gently press tuber into soil until covered with about  $\frac{1}{2}$  inch of soil. Bottom of tuber is rounded, whereas top is usually indented and has a small rough scar at point of last year's stem.

Now thoroughly moisten soil and place container in a temperature of 60 to 70 degrees. Do not allow soil to become dry, but at the same time do not permit it to become soaking wet. At this stage tubers will rot if over watered. Keep away from cool windows. Gentle bottom heat is very beneficial.

When growth begins and foliage is well started move container to a lighted window. *A cooler temperature is preferable now* so the plants will develop sturdy and well formed.

## CHILDANTHUS

**PLANTING OUTDOORS.** When all danger of frost is past the well established plants should be removed from pot or flat (disturbing the roots as little as possible) and planted directly into a permanent bed for the summer; or into window boxes and hanging baskets if the pendulous types are being used.

Keep in mind there is a front to all *Begonia* plants, indicated by the leaves which always point forward. So face accordingly, otherwise flowers may all open to the rear.

**LOCATION.** All types (except *Multiflora*) require almost complete shade. Open shade is best, so do not plant under trees with low hanging branches. Area should be protected from strong drying winds.

A few hours of early morning sun will not be harmful, but the hot afternoon sun at any stage is very detrimental. *Multiflora Begonias* will tolerate as much as a full morning of sun.

**SOIL.** Should be well drained, thoroughly and deeply spaded and worked. Prepare with generous quantities of peat moss, coarse sand, and well rotted manure. An ideal soil is composed of about 50% humus.

A few weeks before planting time apply a well balanced commercial fertilizer, plus Superphosphate, at the rate of 4 lbs. per 100 square feet, and work in well.

**GENERAL OUTDOOR CARE.** Require constant and plentiful moisture and regular feeding. While they will produce fair results under normal garden conditions, they will produce spectacular results if careful attention is given to feeding and watering.

Water very regularly and deeply (be sure drainage is good), and never permit soil to completely dry out. Judgment will have to be used, however, as soil should not become water-logged.

During warm weather spray foliage of plants a couple of times a day with a gentle spray. During exceptionally hot weather spray more frequently.

**FEEDING.** Regularly every two weeks with a well balanced liquid fertilizer (Ra-Pid-Gro).

As *Tuberous Begonias* are shallow rooting, mulch surface of soil with 1 or 2 inches of Peat Moss or Buckwheat hulls (Mul-Tex). This will conserve moisture and keep soil cool, as well as protect surface roots.

**WINTER CARE.** A short while before danger of freezing in the fall, as flower production declines, withhold water gradually and permit foliage to ripen and yellow. Then dig entire plant retaining most of the roots. Store in a cool room until the soil and fleshy tuber has dried well (a month or more).

When stalk will easily part from top of tuber, remove it and clean tuber carefully of all adhering soil. Store in dry sand or Buckwheat Hulls (Mul-Tex) in a temperature between 35 and 50 degrees.

**SPECIAL NOTE.** For a very thorough and complete discussion of *Tuberous Begonias* and their care we recommend without reservation the new book TUBEROUS BEGONIAS by Worth Brown. Available through us for \$2.75, as listed in our catalog.

## BESSERA

Of very simple culture, needing only light well drained soil, and a sunny location. Plant in late spring, setting the bulbs about 1½ to 2 inches deep. In fall before the first freeze dig bulbs, dry for a short period, and store in a cool dry room.

Prefers a good rich garden loam in a very sunny situation. Prepare the soil well by digging deeply and thoroughly. If not light and porous work in a quantity of sharp sand and humus.

As the bulbs sprout early, plant just as soon as ground begins to warm in the spring. Cover to a depth of 3 inches. Keep well watered during dry spells.

This beautiful plant is completely hardy in the deep south and other allied regions. Very recommendable for pot culture in a sunny greenhouse.

## EUCHARIS

A very popular greenhouse and pot plant. Occasionally grown outdoors in California and Southern Florida. Of great beauty, and deliciously fragrant. Free-flowering.

**PLANTING.** Set same depth as diameter of bulb. Three Bulbs may be placed in a 6 to 8 inch pot, or 1 bulb to a 4 to 5 inch pot. Plant as soon as received.

**SOIL.** Should be coarse and fibrous. The best mixture is well rotted sod with about ¼ old dry cow manure, and a sprinkling of Superphosphate. Add enough sand to keep the mixture porous.

**FEEDING.** Start after foliage becomes well developed and continue every few weeks until flowers begin to open. Then withhold food until flowering period is over. When flowers are finished and flower stalks are removed a new set of leaves will begin pushing up. Feed until these leaves are fully developed.

**TEMPERATURE.** *Eucharis* is essentially a warm house plant. During the active growing season it should have a minimum night temperature of 65 to 70 degrees. During the day it may be kept as hot as 80 or 85 degrees; but give light shade during the middle of the day in summer.

**GENERAL CARE.** Requires large quantities of water during growing season. Dry off during the dormant season but never so much that foliage disappears. This would greatly weaken the bulb. Reacts very unfavorably to disturbance, so repotting should be done only when necessary.

**SPECIAL NOTES.** Propagation is by offsets—but bear in mind the plants do not like disturbing, and require considerable time to recover from the process of separating offsets or dividing. Spring is the best time to perform this operation.

If you wish, you can follow the same growth and blooming cycle of *Amaryllis*—rest period in the winter, bloom in late spring or summer, etc. However, if bulbs are strong and healthy they can be made to bloom several times each season without detrimental effect. Directions are as follows:—

When leaves have fully matured cease watering until signs of flagging foliage are noticed. Water thoroughly and permit foliage to freshen. Then withhold water again. Keep up this alternate treatment for about a month, during which time the minimum night temperature can be about 5 degrees lower.

Start plants into full growth again by thorough soaking and raise temperature to not less than 65 degrees at night. Start feeding regularly as mentioned previously and continue same cycle.

## GLADIOLUS

### *Large Flowered Types and Primulinus Hybrids*

Though *Gladiolus* are well known and can be grown by anyone on almost any type of soil, they do produce much finer results if planted in good loamy soil containing generous quantities of sand and humus, and attention is paid to watering during the dry months. It is best to plant the corms a bit deep (about 5 or 6 inches) as so to provide additional support for the tall stems. A well drained location in full sun is best, though they will tolerate a small amount of shade.

Plant in early spring as soon as the ground is warm, and at one or two week intervals until early summer. Latest date they may be planted can be determined for any locality by figuring 75 to 90 days to bring into bloom, and planting accordingly in relation to early killing frosts in the fall.

Before ground freezes in the fall dig corms and cut off tops about  $\frac{1}{2}$  inch above top of corm. Remove excess soil and place in flats to dry. When sufficiently cured so remains of old corm will pull off they can be stored in a cool dry room in large paper bags containing a small spoonful of pure naphthalene flakes for the control of Thrips. In January remove from treated bags and store on open shelves in same cool dry room.

Thrips may also be controlled by the use of DDT. Use a 5% preparation, placing a spoonful in a bag partly full of corms. Shake vigorously until corms are well powdered. A little experience will soon tell you how many corms to place in a bag and how much powder to use. Store treated corms in a warm temperature for a couple of weeks. This will activate Thrips so the DDT can take effect. Then store on open shelves in a cool dry room.

*Full Cultural Instructions will be included with Every Shipment.*

## GLORIOSA

This spectacular plant can be very successfully grown in almost any part of the country if culture is varied according to climate. It is, of course, more at home in the warm climate of the deep south and Florida, where it attains a height of 7 to 8 feet.

**PLANTING.** In the North where growing season is relatively short it is best to start them indoors in late March or early April. Place in a flat of fine peat moss or Vermiculite, laying the long tubers horizontally. Cover about  $\frac{1}{2}$  inch deep. Keep well moistened and warm.

**TRANSPLANTING OUTDOORS.** In a few weeks when sprouts appear the tubers are ready for planting—either in pots or tubs, or directly outdoors (if danger of frost is past). Place 1 tuber in a 5 to 7 inch pot, or 3 to 4 tubers in a tub. In beds, place any distance apart as desired. Place tubers horizontally and cover with about 2 or 3 inches of soil.

**SOIL.** Should be rough and humusy, and well drained. Be very generous with peat moss, sharp sand, and well rotted manure.

**WATERING.** Very important. *Lack of attention to this is frequently the cause of no blooms.* When watering during dry spells *water deeply and well.* Apply a thick mulch of peat moss or Buckwheat hulls to conserve moisture and keep the soil cool. Good drainage is a must in conjunction with plentiful watering. Feed once or twice during the growing season.

**SPECIAL NOTES.** Locate in full sun in the northern part of the country. Provide increasing amounts of shade the farther south planting is done. Will often bloom within 8 to 9 weeks after first sprouts appear. Attains a height of 2 to 4 feet in most sections.

After blooming period keep plants well watered, and feed well so as to fatten the new tubers for next year. Provide some support during the growing season.

**WINTER CARE.** Before the first freeze dig tubers (use extreme care as they are brittle and will break easily). Dry thoroughly in basement. Store in box of dry peat moss, dry sand, or dry Buckwheat hulls (Mul-Tex). Temperature of 45 to 55 degrees.

**GLORIOSA** is an excellent subject for the small greenhouse or conservatory, and may be brought into flower at almost any time.

## MILLA BIFLORA

Same general culture as *Bessera Elegans*. Excellent for cutting. Blooms readily in pots under glass in late winter or early spring.

## MONTBRETIA

Of same easy culture as *Gladiolus*. Plant 4 inches deep in full sun, in rich well worked soil. They enjoy plentiful moisture, but good drainage. Dig and store in the fall as you would *Gladiolus*. With a good heavy mulch of straw many varieties have established themselves permanently as far north as New York and Massachusetts—though it is best to lift and store expensive varieties.

## RANUNCULUS

Similar culture as *Anemone coronaria*, except that they prefer a more moist (though well drained) location and will not tolerate periods of dryness. Particularly when the flower buds have formed, the surface of the soil should never become parched, and a daily soaking is necessary, not only for the sake of the flowers and leaves, but also to keep the roots (which are close to the surface) in sound plump condition.

Plant in *early spring* as soon as frost is well out of the ground. Press the claw-like extremities into the earth and cover with 2 inches of light sandy soil. Space about 6 inches apart. Does not grow or bloom well if planted too deep.

Persian and Turban varieties need a well enriched loose loamy soil, while the so-called French varieties are not as particular about the quality of the soil as long as it is loose and well dug. All delight in full sun or slight shade.

After foliage has well ripened (usually in late August or September) dig roots and dry well, storing for the winter in a cool room or cellar.

## TIGRIDIA

Plant as soon as possible in the spring when the ground has warmed up. Sunny, well drained location. Soil should be a well enriched loam, high in humus content, and deeply dug. Set corms 2 to 3 inches deep and 4 to 8 inches apart. Successive plantings may be made until late April or mid May so as to provide a longer period of bloom during July and August. Keep very well watered during blooming season and during dry spells. Lack of sufficient water will produce very poor results.

Very effective when planted throughout the flower border in informal groups.

Before first fall freeze dig and dry corms carefully. Store in dry sand, or Buckwheat hulls, in a cool dry room. If stored loose without any protective material such as the sand or Buckwheat hulls, the corms will dry out and become worthless.

## VALLOTA

This beautiful *Amaryllid* is generally rated as a greenhouse bulb, but can be successfully grown by the amateur without a glass house. A well lighted cellar for winter storage is necessary.

**PLANTING.** For the first potting use a very light soil mixture, and place a little sand at base of bulb. Set bulb same distance below surface as its diameter. *Use as small a pot as possible.*

When soil becomes well filled with roots shift to next size larger pot, being careful not to break roots or disturb the ball of soil. Continue this until size pot is attained in which you wish to keep the plant permanently.

The final potting is very important as the plant should not be disturbed for 3 or 4 years from this point on. Drainage must be perfect. The soil should be of a strong permanent nature and very rich in plant food. The best mixture is composed of a turfy loam with equal parts of peat moss and old cow manure—to which is added a little sand and charcoal.

**GENERAL CARE.** Keep in full sunshine at all times of year. Strongly resents root disturbance, so avoid reporting until there is danger of roots bursting the pot. Feed regularly during growing season with a well balanced liquid fertilizer (Ra-Pid-Gro).

Beware of overpotting. Better to have the bulbs crowd each other out of the pots. Always repot directly after a flowering period.

**WINTER CARE.** Toward end of growing season start withholding water and store in a well lighted cellar. *Never dry off completely* as the foliage is practically evergreen. Just keep roots moderately moist during the winter.

**SPECIAL NOTES.** Failure to flower is usually because plant is kept too dry during rest period. Several years are required to develop a truly magnificent specimen plant.

## ZEPHYRANTHES

In warmer sections of the country all varieties are reliably hardy, and equally so in the middle states if given adequate winter protection. In the north they must be treated as tender bulbs, such as *Gladiolus*, being planted in the spring and lifted and stored in the fall.

They prefer a soil rich in humus, and an adequate supply of moisture. Location should be sunny and well drained. As bulbs of various species vary in size the best general rule to follow for planting is 2 to 3 times as deep as the diameter of the bulb. Care must be taken when cultivating the smaller bulbs that they are not disturbed or pulled out. Smaller bulbs can be planted as close as 3 or 4 inches, and all should be planted in groups for best effect.

Dig in the fall before danger of freezing and store in a cool cellar in damp (not moist) soil or peat moss for the winter. Check occasionally to make sure that bulbs are not too damp nor too dry.

## CALADIUMS

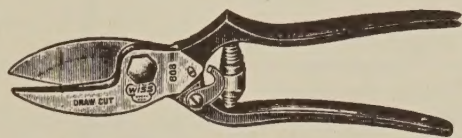
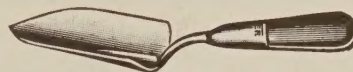
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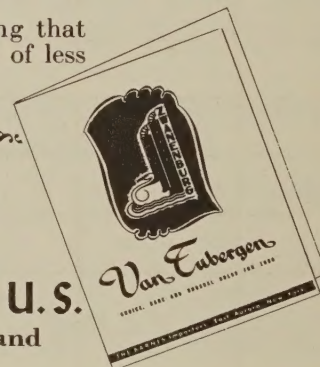
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